



Local Case Studies

1. Bannockburn Last-Mile Ridehail Pilot
2. Transportation Management Association (TMA) of Lake-Cook
3. Metra Lake County Reverse Commute Pilot (MetraMore)
4. Pace Route 284 – Schaumburg–Great America Gurnee Express
5. Ravinia Festival – Metra & Pace

Single Occupancy Vehicle (SOV) Reduction Study

Lake County Division of Transportation

June 2020

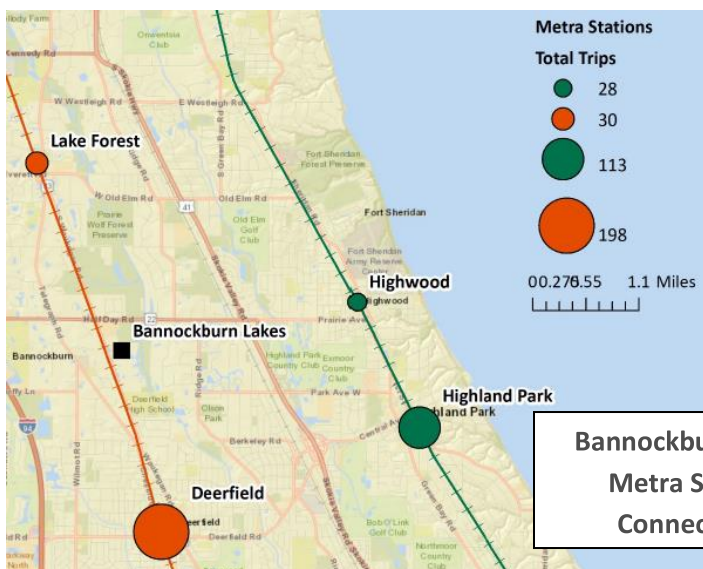
Overview

As a partnership aimed to connect employees to public transit, the Regional Transportation Authority (RTA), Village of Bannockburn, GlenStar Properties, and Lyft have teamed up. Together, the group teamed up to launch a weekday ridehail pilot to connect commuters to GlenStar's Bannockburn Lakes office complex near Waukegan Road and Half Day Road with nearby Metra stations.

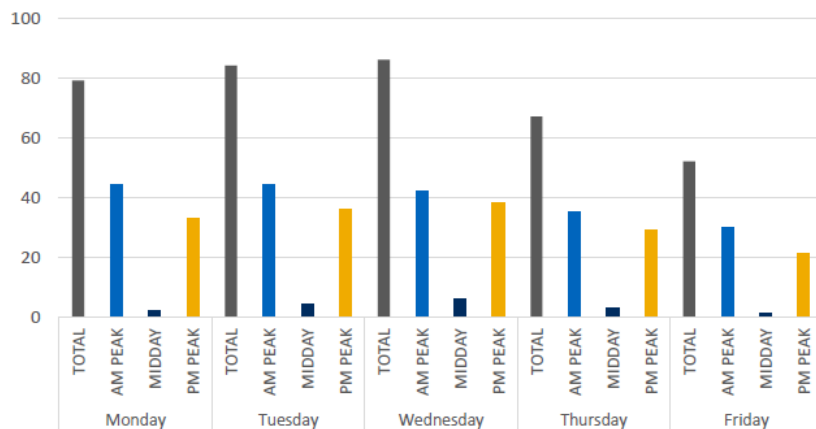
Tenants are provided a promo code that covers 100% of the cost for qualifying rides (up to \$20 per ride, 40 rides per month). Qualifying rides must begin and end at Bannockburn Lakes and one of four Metra Stations: Highland Park (UP-North), Highwood (UP-North), Deerfield (Milwaukee District North), and Lake Forest (Milwaukee District North) and take place Monday-Friday, 4:00 am-10:00 pm.

Using the Nearby Transit feature, Lyft is able to connect commuters with real-time Metra transit information so riders can see routes and schedules directly in the application. This allows commuters to better plan and manage their connections to / from their destinations.

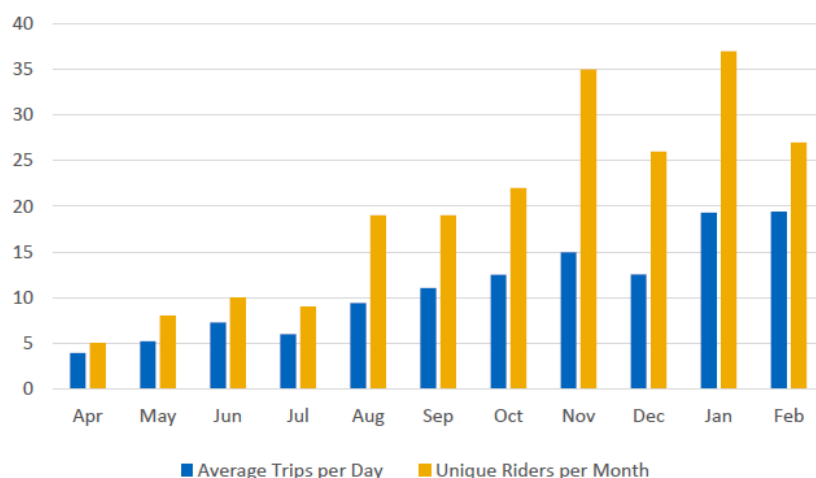
The pilot program was started in April of 2019 and is expected to run for two years. Funding is split between Glenstar Properties (75 percent) and the RTA (25 percent). A full review is expected one year into the program (spring 2020) to determine performance. Depending on results, the pilot experience will serve as a model for other commercial properties to see the value as a building amenity and provide either full-costs or shared costs with the tenant users.



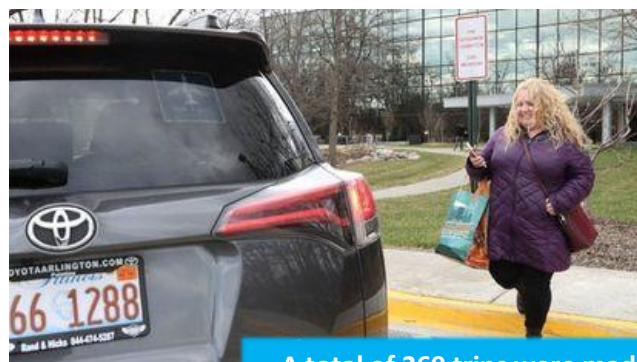
Trips by Day in February 2020



Monthly Avg Trips per Day & Unique Riders, Apr 2019 - Feb 2020



GlenStar Properties



Source: Chicago Tribune.

A total of 369 trips were made in February 2020, averaging 19 per day. The benefit of these last mile ridehail trips is the use of Metra for the majority of each home-to-work journey. Without these connections, the line-haul rail trips would not be possible.

Overview

The TMA of Lake-Cook is a not-for-profit business association whose mission is to improve employees' commute to work in Cook and Lake Counties, representing over 40 members and 42,000 employees. Founded in 1989, the TMA manages the successful Shuttle Bug Program, which provides area employers shuttle service on Pace buses to nearby rail stations. The TMA also monitors and advocates highway construction projects, supports environmental programs for employers, and works collaboratively with elected officials, communities and transportation agencies for better planning and increased funding for transit service and highway improvements. Membership of the TMA is a mixture of corporations, developers, building management firms, and government agencies and municipalities. Private sector members pay annual dues based on number of employees and public sector pay an annual flat rate.



At 900 shuttle bus/train trips per day, this translates to over 200,000 trips per year. Without these last-mile links, many trips would be forced to use the automobile.

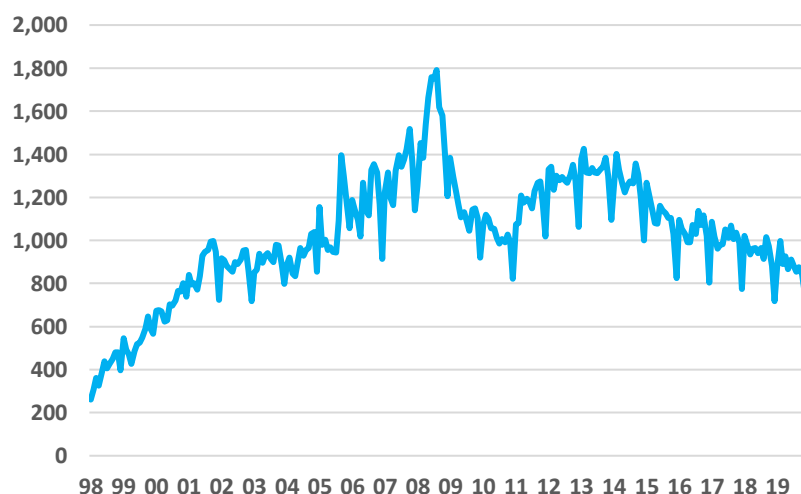
Shuttle Bug routes provide last-mile service for member firm workers. The 12 Pace shuttle routes connect 5 Metra and 1 CTA station to 4 suburban employment centers. Service is funded through a public-private partnership between Pace/Metra and participating firms. Employers cover 50% of the cost and the remaining 50% is shared equally by Pace and Metra. Riders of participating firms receive a special Ventra card to allow free fare. Other riders can also use the service but pay the applicable Pace fare.

Shuttle Bug Routes

Rte.	Companies	Station
619*	Allstate, Astellas, Old World Industries	Des Plaines
620*	Allstate	CTA Dempster
623*	Allstate, CVS Health, Astellas, Old World Inds.	Glen of N Glenview
627	Discover	Lake Cook Road
628	Wolters Kluwer, Discover, Baxter, Parkway N.	Braeside
629	Walgreens, CORPTAX, Discover, Oracle	Braeside
631	Discover, Wolters Kluwer	Lake Cook Road
632	Baxter, Parkway North	Lake Cook & Deerfield
633	Walgreens	Lake Cook Road
634	Oracle, Walgreens, CORPTAX	Lake Cook Road
635*	UL, Walgreens	Lake Cook Road

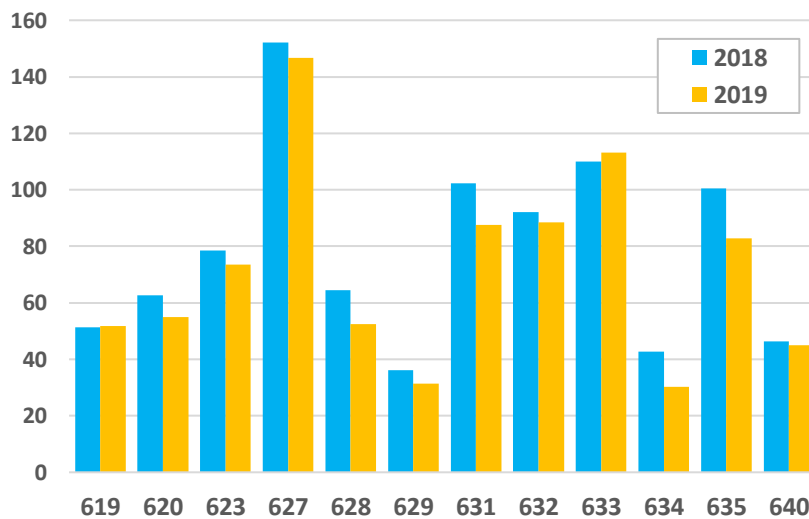
*Operates entirely in Cook County

Average Weekday Riders by Month (1998-2019)



*Cumulative Ridership Trend for all Shuttle Bug Routes (includes rides on discontinued routes)

Average Daily Ridership by Route



Source: Pace.

Overview

In October 2019, Metra entered into a two-year Public-Private Partnership for pilot service and ancillary capital funding agreements with Lake County Partners, an organization which promotes economic development in Lake County. Local community and business leaders voiced the need for additional reverse commuter service on the Milwaukee District North Line (MD-N) between Chicago and Lake Forest. The underlying aim was to recruit and retain talented workers residing in Chicago. The pilot is branded "MetraMore," and added service began on March 4, 2019.

The groups will evenly split the \$1.4 million cost of operating one new reverse-commute train in each peak period. They also will work on a agreement to divide the \$4.75 million cost of installing universal crossovers near Lake Forest, with Lake County Partners contributing \$2.75 million, Metra contributing \$1 million and local governments contributing \$1 million.

Also participating in the initiative are AbbVie, Horizon Therapeutics, Trustmark Insurance, Tenneco, Northwestern Lake Forest Hospital, Lake County government, City of Lake Forest, Lake Forest Hospital and the Village of Deerfield.

Results

The goal for the two-year pilot was 600 additional passenger trips per day, and 50 percent of that goal after one year. For the fourth-quarter 2019, Metra estimated that 550 trips were attracted based on the change in ridership for MD-N and UP-N trains targeted by the MD-N service change, nearly achieving the two-year mark.

The program is providing important information on judging the reverse commute travel market in this area of the region; which may be transferable elsewhere. The public-private



Buses at Lake Forest Station for reverse commuter pick-ups.

The 550 train passenger trips per day translates to over 140,000 trips per year of avoided SOV trips. In addition to meeting the goals of the Pilot, the program offers a model for other reverse commute opportunities.

MD-N Reverse Peak Timetable with March 4, 2019 Changes (does not include Libertyville-Fox Lake)

MD-N AM Reverse Peak Outbound Service								MD-N PM Reverse Peak Inbound Service								
		2191	2101	2103	2105	2107	2109			2140	2142	2144	2146	2148	2194	2150
Leave AM/PM	MP	a.m.	a.m.	a.m.	a.m.	a.m.	a.m.	Leave AM/PM	MP	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.
Union Station	0.0	6:25	6:33	7:01	7:24	7:40	8:35	Lake Forest	28.0	3:20	4:20		5:09		5:35	
Western Ave	2.9	6:34	6:42	7:10	7:33	7:49	8:44	Deerfield	24.2	3:26	4:26	4:36	5:15	5:20	5:41	5:50
Healy	6.4	6:39	6:47	7:15	7:39	7:54	8:49	Lake-Cook	23.0	3:29	4:29		5:18	5:23	5:44	5:53
Grayland	8.2	6:42	6:50	7:18		7:57	8:52	Northbrook	21.1	3:33	4:32		5:00	5:26		5:56
Mayfair	9.0	6:44	6:52	7:20	7:43	7:59	8:54	Glen/N. Glenview	18.8	3:37	4:36		5:05	5:30		6:00
Forest Glen	10.2	6:47	6:55	7:23		8:02	8:57	Glenview	17.4	3:40	4:39	4:46	5:08	5:33		6:03
Edgebrook	11.6	6:51	6:59	7:26	7:49	8:05	9:00	Golf	16.2	3:43		4:49	5:11	5:36		6:06
Morton Grove	14.3		7:03	7:31	7:53	8:10	9:05	Morton Grove	14.3	3:46		4:52	5:15	5:39		6:09
Golf	16.2		7:06	7:35	7:57	8:14	9:08	Edgebrook	11.6	3:51		4:57	5:20	5:44	5:56	6:14
Glenview	17.4		7:10	7:38	8:00	8:17	9:11	Forest Glen	10.2	3:54		5:00	5:23	5:47	5:59	6:17
Glen/N. Glenview	18.8		7:13	7:41	8:03	8:20	9:14	Mayfair	9.0	3:57		5:03	5:26	5:50	6:02	6:20
Northbrook	21.1		7:18	7:46	8:07	8:25	9:19	Grayland	8.2	3:59		5:05	5:28	5:52	6:04	6:22
Lake-Cook	23.0	7:04	7:22	7:50	8:11	8:29	9:23	Healy	6.4	4:02		5:08	5:32	5:55	6:07	6:25
Deerfield	24.2	7:08	7:26	7:52	8:16	8:32	9:26	Western Ave	2.9	4:08	4:57	5:14	5:42	6:01	6:13	6:31
Lake Forest	28.0	7:14	7:33	7:58		8:37	9:31	Union Station	0.0	4:22	5:10	5:28	5:55	6:16	6:26	6:44
		focus stations			added service					adjusted service			MP: station milepost			

Overview

Pace Route 284 provides bus boarding stops at the Northwest Transportation Center (NWTC) in Schaumburg and the Rosemont CTA Terminal, expressing to the Six Flags Great America Amusement Park in Gurnee. This popular location is open seasonally; Pace operates Fridays, Saturdays and Sundays.

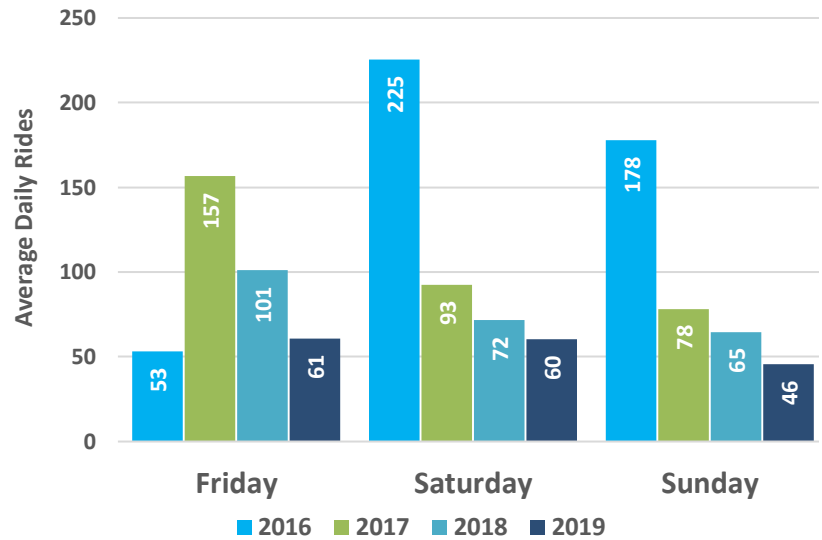
Service is from June 1 through Labor Day, and then Saturdays and Sundays during most of September and October. The service was initiated in 2016.

One round trip departs from NWTC-Schaumburg at 9:30 a.m. and Rosemont CTA Station at 9:50 a.m. Return trips depart Six Flags 15 minutes after the park closes. Adequate free parking is available at the NWTC (1730 Kimberly Drive, Schaumburg); a parking fee is charged at the Rosemont CTA station. A premium fare of \$4.50 each way is charged adults; reduced fare is \$2.25.

Six Flags Great America is located between Chicago and Milwaukee and offers 17 roller coasters, a 20-acre water park, spectacular shows and four children's themed areas with more than 30 rides. Daily capacity of the Park is 54,000. Attendance exceeded 3 million in 2017 and 2018, ranking it among the top 20 amusement parks in North America. Passenger use dipped in 2019 from previous years.

It is estimated that over 3,000 trips were made on Route 284 during Great America's 2019 season. This would translate to a measurable reduction in vehicle miles if this travel had been made by automobile.

Route 284 Average Service Day Ridership



Source: Pace Suburban Bus.

Map of Six Flags Great America





Overview

The Ravinia Festival is the oldest outdoor music festival in the United States, offering outdoor concerts and performances from June to September. Located in Highland Park, the festival operates on the grounds of the 36-acre Ravinia Park, with a variety of outdoor and indoor performing arts facilities. For the 2019 season, there are more than a half-million people attending 140 events. In addition to accessing the park by driving and parking, transit can also be used in two ways.

Metra

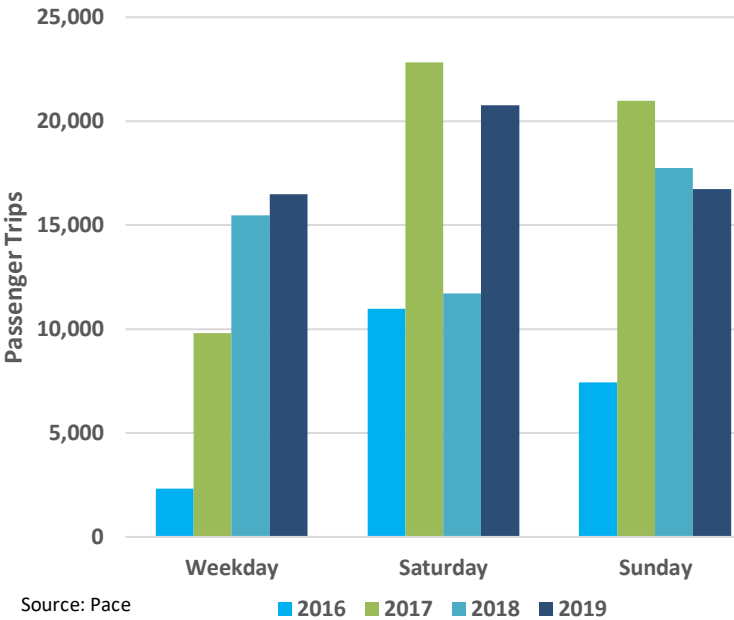
Metra’s UP North trains serve the special Ravinia Park station stop, which is adjacent to Festival’s west gate. For weekend concerts, Metra runs a “Ravinia Special,” departing Ogilvie at 5:35 p.m. with nonstop service after Evanston Central Street for a scheduled 6:25 p.m. arrival at the concert venue. In addition, all afternoon UP-N outbound trains departing Chicago make stops at the Ravinia Park stop. For weekday concerts, selected regularly scheduled trains make stops at the Ravinia Park Station. The nearby Braeside Station is an easy walk to the park and provides concertgoers additional arrival times. Metra offers a special \$8 round-trip pass on all trains to and from Ravinia Park after 1:30 p.m. The pass can be purchased at Ogilvie or on the train. Metra Ravinia ridership data is not available, although anecdotally, it is understood that some events attract standing room crowds on trains.



Pace Ravinia Festival Express Park & Ride

To supplement the Fest’s main parking lots, a free Pace service connects parking lots to the Park. Route 475 buses depart one hour before the start time of each event and make continuous non-stop trips between the park-n-ride locations to the Ravinia Fest entrance along St. Johns Avenue. Return service from Ravinia Fest to the Park-n-Ride locations is provided at the conclusion of the event. Pace Park-n-Ride lots are located along St. Johns Avenue at Elm Place, and at the Ravinia and Braeside Metra Stations. Ridership for each of the last four seasons is provided by service day.

Ravinia Route 475 Pace Ridership by Season



Source: Pace Suburban Bus.

Map of Ravinia Festival



Riders of Metra service accessing Ravinia are likely not using a private auto for any part of their trip, resulting in the maximum benefit to the roadway system. Pace 475 service, on the other hand, is not reducing auto travel, rather, the shuttles relieve localized congestion near the Park.